

## DAFTAR PUSTAKA

- Adams, S. O., Bamanga, M., & Ardo Bamanga, M. (2020). Modelling and Forecasting Seasonal Behavior of Rainfall in Abuja, Nigeria; A SARIMA Approach. *American Journal of Mathematics and Statistics*, 2020(1), 10–19. <https://doi.org/10.5923/j.ajms.20201001.02>
- Aditiya, R., & Soebagio. (2019). KAJIAN BANJIR DI WILAYAH KETINTANG SURABAYA. *Jurnal Rekayasa Dan Manajemen Konstruksi*, 7(2), 157–162.
- Akaike, H. (1974). A Look at the Statistical Model Identification. *IEEE TRANSACTIONS ON AUTOMATIC CONTROL*, AC-19(6). <https://doi.org/10.1109/TAC.1974.1100705>
- Aldrian, E., & Dwi Susanto, R. (2003). Identification of three dominant rainfall regions within Indonesia and their relationship to sea surface temperature. *International Journal of Climatology*, 23(12), 1435–1452. <https://doi.org/10.1002/joc.950>
- Alqatawna, A., Abu-Salih, B., Obeid, N., & Almiani, M. (2023). Incorporating Time-Series Forecasting Techniques to Predict Logistics Companies' Staffing Needs and Order Volume. *Computation*, 11(7). <https://doi.org/10.3390/computation11070141>
- Aswi, & Sukarna. (2006). *Analisis Deret Waktu: Teori dan Aplikasi*. <https://www.researchgate.net/publication/338293807>
- Aulia, F., Yozza, H., & Devianto, D. (2019). PERAMALAN CURAH HUJAN BULANAN KABUPATEN TANAH DATAR DENGAN MODEL SEASONAL AUTOREGRESSIVE INTEGRATED MOVING AVERAGE (SARIMA). In *Jurnal Matematika UNAND: Vol. VIII* (Issue 2).
- Auliya, E. R. (2021). PENGKLASTERAN DAERAH DI JAWA TIMUR BERDASARKAN CURAH HUJAN. *Jurnal Ilmiah Matematika*, 9(2).

- Balahanti, R., Mononimbar, W., & Gosal, P. H. (2023). ANALISIS TINGKAT KERENTANAN BANJIR DI KECAMATAN SINGKIL KOTA MANADO. *Jurnal Spasial*, 11(1), 2023.
- BDSP2. (2024). *Analisis dan Prediksi Curah Hujan Januari - Juli 2024*.
- Benny Hartanto, Ningrum Astriawati, Supartini, & Damar Kuncoro Yekti. (2022). Pencarian dan Pemanfaatan Informasi Data Badan Meteorologi, Klimatologi, dan Geofisika (BMKG). *INSOLOGI: Jurnal Sains Dan Teknologi*, 1(5), 553–564. <https://doi.org/10.55123/insologi.v1i5.906>
- Budiyono, Y., Aerts, J. C. J. H., Tollenaar, D., & Ward, P. J. (2016). River flood risk in Jakarta under scenarios of future change. *Natural Hazards and Earth System Sciences*, 16(3), 757–774. <https://doi.org/10.5194/nhess-16-757-2016>
- Chapman, P., Clinton, J., Kerber, R., Khabaza, T., Reinartz, T., Shearer, C., & Wirth, R. (1999). *CRISP-DM 1.0 Step by step data mining guide*. DaimlerChrysler.
- Chris Chatfield. (1995). *The Analysis of Time Series An Introduction 5ed*.
- David Müller, T., Siraj, A., Walter, A., Kim, J., Wein, S., Von Kleist, J., Feroz, A., Pilz, M., Jeong, K., Sing, J. C., Charkow, J., Luc Röst, H., & Sachsenberg, T. (2024). *OpenMS WebApps: Building User-Friendly Solutions for MS Analysis*.
- Fadhil, S. N., Rachmawati, F., & Rohman, M. A. (2024). *Jurnal Aplikasi Teknik Sipil Analisis Risiko Bencana Banjir pada Masyarakat Rentan* (Vol. 22, Issue 2).
- Faidah, D. Y., Kuswanto, H., & Sutikno, S. (2022). Improving the Accuracy of Rainfall Prediction Using Bias-Corrected NMME Outputs: A Case Study of Surabaya City, Indonesia. *Scientific World Journal*, 2022. <https://doi.org/10.1155/2022/9779829>
- Febrianto, H., Akhmad, J., & Hasim, N. (2016). Urban Flood Risk Mapping Using Analytic Hierarchy Process and Natural Break Classification (Case Study : Surabaya, East Java, Indonesia). *IEEE*.

- Fransiska, H., Novianti, P., & Agustina, D. (2019). *PERMODELAN CURAH HUJAN BULANAN DI KOTA BENGKULU DENGAN SEASONAL AUTOREGRESSIVE INTEGRATED MOVING AVERAGE (SARIMA) MODELLING MONTHLY RAINFALL IN BENGKULU CITY USING SEASONAL AUTOREGRESSIVE INTEGRATED MOVING AVERAGE (SARIMA) Case Study: Climatology Station In Bengkulu.*
- Hakiqi, M. I., Firmansyah, A., & Arisanti, R. (2023). Peramalan Curah Hujan di Kota Bandung dengan Metode SARIMA (Seasonal Autoregressive Integrated Moving Average). *Inferensi*, 1(1), 23. <https://doi.org/10.12962/j27213862.v1i1.19119>
- Hamilton, J. Douglas. (2006). *Time Series Analysis James D. Hamilton*. Princeton University Press.
- Han, J., Kamber, M., & Pei, J. (2012). *Data Mining. Concepts and Techniques, 3rd Edition (The Morgan Kaufmann Series in Data Management Systems).*
- Handayani, W., Chigbu, U. E., Rudiarto, I., & Surya Putri, I. H. (2020). Urbanization and increasing flood risk in the Northern Coast of Central Java-Indonesia: An assessment towards better land use policy and flood management. *Land*, 9(10). <https://doi.org/10.3390/LAND9100343>
- Hanke, J. E. ., & Wichern, D. W. . (2009). *Business Forecasting 9th ed.* Pearson/Prentice Hall.
- Haryo Briantama, R., Adji Winata, N., Mahendra, M. R., & Harriski, F. T. (2024). Pemodelan Sebaran Genangan Banjir Sungai Kali Surabaya berbasis Sistem Informasi Geografis Pada Ruas Aliran Kota Surabaya. *De'Teksi: Jurnal Teknik Sipil*, 9.
- Hasanah, M. A., Soim, S., & Handayani, A. S. (2021). Implementasi CRISP-DM Model Menggunakan Metode Decision Tree dengan Algoritma CART untuk Prediksi Curah Hujan Berpotensi Banjir. In *Journal of Applied Informatics and Computing (JAIC)* (Vol. 5, Issue 2). <http://jurnal.polibatam.ac.id/index.php/JAIC>

- Heizer, J., Render, B., & Munson, C. (2020). *Operations Management: Sustainability and Supply Chain Management Thirteenth Edition, Global Edition Chapter 1 Operations and Productivity*.
- Hendon, H. H. (2003a). Indonesian rainfall variability: Impacts of ENSO and local air-sea interaction. *Journal of Climate*, 16(11), 1775–1790. [https://doi.org/10.1175/1520-0442\(2003\)016<1775:IRVIOE>2.0.CO;2](https://doi.org/10.1175/1520-0442(2003)016<1775:IRVIOE>2.0.CO;2)
- Hendon, H. H. (2003b). Indonesian Rainfall Variability: Impacts of ENSO and Local Air-Sea Interaction. *American Meteorological Society*, 16, 1775–1790.
- Holovaty, A., & Kaplan-Moss, J. (2009). *Definitive Guide to Django: Web Development Done Right*. Scholars Portal.
- Hyndman, R. J. (2018). *Forecasting Principles and Practice*.
- Khairunisa, N. K., & Hendikawati, P. (2024). Long Short-Term Memory and Gated Recurrent Unit Modeling for Stock Price Forecasting. *Jurnal Matematika, Statistika Dan Komputasi*, 21(1), 321–333. <https://doi.org/10.20956/j.v21i1.35930>
- Khoirunisa, R. (2023). Urban Flood And Its Correlation With Built-Up Area In Semarang, Indonesia. *Smart City*, 3(2). <https://doi.org/10.56940/sc.v3.i2.2>
- Kurniasari, D., Dafa Salsabila, A., & Usman, M. (2025). JTAM (Jurnal Teori dan Aplikasi Matematika) Enhancing Weather Forecasting in Bandar Lampung: A Hybrid SARIMA-LSTM Approach. *JTAM (Jurnal Teori Dan Aplikasi Matematika)*, 9(1), 206. <https://doi.org/10.31764/jtam.v9i1.27188>
- Lowrie, William. (2007). *Fundamentals of Geophysics*. Cambridge University Press.
- Lutz, M. (2013). *Learning Python*.
- Makridakis, S., Spiliotis, E., & Assimakopoulos, V. (2018). Statistical and Machine Learning forecasting methods: Concerns and ways forward. *PLoS ONE*, 13(3). <https://doi.org/10.1371/journal.pone.0194889>

- Makridakis, S., Steven C. Wheelwright, & Victor E. McGEE. (1983). *Forecasting: Methods and Applications* (2nd ed.).
- Maulana, A. A., & Rosalina, H. (2024). IMPLEMENTASI METODE SARIMAX UNTUK PREDIKSI CURAH HUJAN JANGKA PENDEK DI PAGERAGEUNG, TASIKMALAYA. *JURNAL SUMBER DAYA AIR*, 20(1), 39–50. <https://doi.org/10.32679/jsda.v20i1.874>
- Mckinney, W. (2010). *Data Structures for Statistical Computing in Python*.
- Minh, H. V. T., Van Ty, T., Nam, N. D. G., Lien, B. T. B., Thanh, N. T., Cong, N. P., Meraj, G., Kumar, P., Van Thinh, L., Van Duy, D., Van Toan, N., Downes, N. K., Bhuyan, Md. S., Kanga, S., & Singh, S. K. (2024). Modelling and predicting annual rainfall over the Vietnamese Mekong Delta (VMD) using SARIMA. *Discover Geoscience*, 2(1). <https://doi.org/10.1007/s44288-024-00018-0>
- Montgomery, D. C., Jennings, C. L., & Kulahci, M. (2008). *Introduction to Time Series Analysis and Forecasting*.
- Nasution, B. I., Saputra, F. M., Kurniawan, R., Ridwan, A. N., Fudholi, A., & Sumargo, B. (2022). Urban vulnerability to floods investigation in jakarta, Indonesia: A hybrid optimized fuzzy spatial clustering and news media analysis approach. *International Journal of Disaster Risk Reduction*, 83. <https://doi.org/10.1016/j.ijdr.2022.103407>
- Nicholls, R. J., & Cazenave, A. (2010). *Sea-Level Rise and Its Impact on Coastal Zones*. [www.sciencemag.org](http://www.sciencemag.org)
- Palma, W. (2016). *TIME SERIES ANALYSIS* (David J, N. A. C. Balding, & Garret M, Eds.; 1st ed.). John Wiley & Sons.
- PUPR. (2014). *OPTIMASI PEMANFAATAN RADAR CUACA UNTUK SIAGA BENCANA DI DAERAH GUNUNG MERAPI*.
- Purnama, D. I. (2021). Peramalan Curah Hujan Di Kabupaten Parigi Moutong Menggunakan Model Seasonal Autoregressive Integrated Moving Average

- (SARIMA). *JURNAL ILMIAH MATEMATIKA DAN TERAPAN*, 18(2), 136–147. <https://doi.org/10.22487/2540766x.2021.v18.i2.15652>
- Putra, M., Rosid, M. S., & Handoko, D. (2024). A Review of Rainfall Estimation in Indonesia: Data Sources, Techniques, and Methods. In *Signals* (Vol. 5, Issue 3, pp. 542–561). Multidisciplinary Digital Publishing Institute (MDPI). <https://doi.org/10.3390/signals5030030>
- R. Barry, R. C. (2003). *Atmosphere Weather and Climate 8th ed - R Barry R Chorley - Routledge 2003 WW*.
- Rahardjo, P. N. (2014). 7 *PENYEBAB BANJIR DI WILAYAH PERKOTAAN YANG PADAT PENDUDUKNYA 7 Causes Flooding In City Area Which Are Very Densely Populated* (Vol. 7, Issue 2).
- Rahula, O., Nurhendo, H., & Marfai, M. A. (2015). *Pemodelan dan Analisis Dampak Banjir Pesisir Surabaya Akibat Kenaikan Air Laut Menggunakan Sistem Informasi Geografis*.
- Ratri, D. N. (2021). *PETA RATA-RATA CURAH HUJAN DAN HARI HUJAN PERIODE 1991-2020 INDONESIA*.
- Ray, S., Das, S. S., Mishra, P., & Al Khatib, A. M. G. (2021). Time Series SARIMA Modelling and Forecasting of Monthly Rainfall and Temperature in the South Asian Countries. *Earth Systems and Environment*, 5(3), 531–546. <https://doi.org/10.1007/s41748-021-00205-w>
- Riski, P. (2024, April 28). *Banjir di Surabaya, Walhi: Alih Fungsi Ruang Hijau Harus Diperhatikan*. [www.mongabay.co.id](https://www.mongabay.co.id). <https://www.mongabay.co.id/2024/04/28/banjir-di-surabaya-walhi-alih-fungsi-ruang-hijau-harus-diperhatikan/>
- Rusdiana. (2014). *Manajemen Operasi*.
- Sapta Sri Sudewi, R., Sasmito, A., & Kurniawan, R. (2015). *IDENTIFIKASI AMBANG BATAS CURAH HUJAN SAAT KEJADIAN BANJIR DI JABODETABEK: STUDI KASUS BANJIR JAKARTA TANGGAL 09 FEBRUARI 2015 IDENTIFICATION OF RAINFALL THRESHOLD DURING*

*FLOOD EVENTS IN JABODETABEK: CASE STUDY OF JAKARTA FLOOD ON FEBRUARY 9, 2015. 17.*

- Schwarz, G. (1978). *ESTIMATING THE DIMENSION OF A MODEL*. 6(2), 461–464.
- Septiani, N., Salam, N., & Khairullah. (2023). *PRAKIRAAN INDEKS KEKERINGAN MENGGUNAKAN METODE SEASONAL AUTOREGRESSIVE INTEGRATED MOVING AVERAGE (SARIMA) BERDASARKAN DATA STANDARDIZED PRECIPITATION (SPI) KOTA BANJABARU*.
- Shearer, C. (2000a). The CRISP-DM Model : The New Blueprint for Data Mining. *Journal of Data Warehousing*, 5(4).
- Shearer, C. (2000b). The CRISP-DM model: The New Blueprint for Data Mining. *Journal of Data Warehousing*, 5(4).
- Shumway, R., & Stoo, D. S. (n.d.). *Springer Texts in Statistics Time Series Analysis and Its Applications With R Examples Fourth Edition*.
- Suhartono. (2008). *Analisis Data Statistik Dengan R*.
- Sun, D., Feng, Z., Chen, Y., Wang, Y., Zeng, J., Yuan, M., Pong, T. C., & Qu, H. (2020, April 21). DFSeer: A Visual Analytics Approach to Facilitate Model Selection for Demand Forecasting. *Conference on Human Factors in Computing Systems - Proceedings*. <https://doi.org/10.1145/3313831.3376866>
- Susetyo, C. (2008). *Urban Flood Management in Surabaya City: Anticipating Canges in The Brantas River System*. <https://doi.org/10.13140/RG.2.2.15941.24802>
- Sutrisno, D., Rahadiati, A., Rudiastuti, A. W., Dewi, R. S., & Munawaroh. (2020). Urban coastal flood-prone mapping under the combined impact of tidal wave and heavy rainfall: A proposal to the existing national standard. *ISPRS International Journal of Geo-Information*, 9(9). <https://doi.org/10.3390/ijgi9090525>

- ThinkHazard. (2021). *ThinkHazard Jawa Timur*.  
<https://thinkhazard.org/en/report/1521-indonesia-jawa-timur>
- Trenberth, K. E. (2011). Changes in precipitation with climate change. *Climate Research*, 47(1–2), 123–138. <https://doi.org/10.3354/cr00953>
- Van Rossum, Guido. (2003). *An introduction to Python, release 2.5*. Network Theory Limited.
- Wahyudi, D., Informatika, J., & Paputungan, I. V. (2022). PEMODELAN CURAH HUJAN PADA KOTA BENGKULU MENGGUNAKAN SEASONAL AUTOREGRESSIVE INTEGRATED MOVING AVERAGE (SARIMA). *AUTOMATA*, 3.
- Wallace, J. M., & Hobbs, P. V. (2005). *Atmospheric Science Second Edition*.
- Warren-Myers, G., Aschwanden, G., Fuerst, F., & Krause, A. (2018). *Estimating the Potential Risks of Sea Level Rise for Public and Private Property Ownership, Occupation and Management*.  
<https://doi.org/10.3390/risks6020000>
- William W. S. Wei. (2006). *Time Series Analysis: Univariate and Multivariate Methods (2nd ed.)*.
- Wirth, R., & Hipp, J. (2000). *CRISP-DM: Towards a Standard Process Model for Data Mining*.
- Woodruff, J. D., Irish, J. L., & Camargo, S. J. (2013). Coastal flooding by tropical cyclones and sea-level rise. In *Nature* (Vol. 504, Issue 7478, pp. 44–52).  
<https://doi.org/10.1038/nature12855>